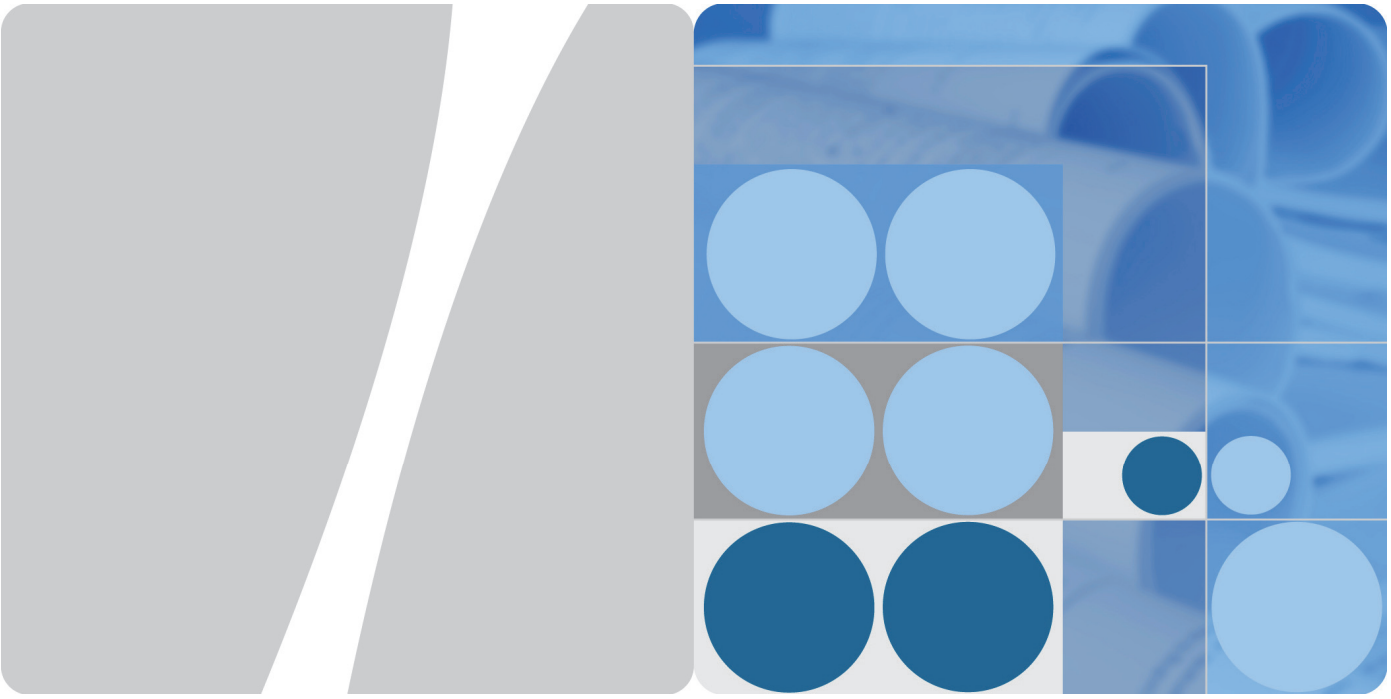

HUAWEI Ascend G510 Smart Phone
V100R001
Product Description

Issue 02

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1 Product Overview

1.1 Introduction

HUAWEI Ascend G510 is a smart phone developed by HUAWEI. It is based on Google Android™ 4.1 Operating System. They give you an excellent browsing with the Operating System from Google™, all in a thin touch phone.

- Android 4.1 (Jelly Bean)
- 4.5-inch touch screen supporting auto rotation
- 5 MP auto focus camera with LED flash
- User friendly soft keyboard
- High speed HSDPA/HSUPA network
- Wi-Fi 802.11 b/g/n
- Bluetooth 2.1 A2DP Stereo
- GPS/AGPS
- Abundant Google applications
- G-sensor
- Proximity sensor for auto turn-off
- Ambient light sensor for auto light adjusting

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1.2 Appearance of HUAWEI Ascend G510

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2 Technical Specifications

2.1 Hardware

Table 2-1 Hardware Specifications

Item	Specifications
Shape	Bar-type
LCD	• Size: 4.5 inch • Type: TFT-LCD screen, touch-sensitive screen • Color: 16M(24-bit) colors • Resolution: 854*480
Dimensions	134 mm(L)×67 mm(W)×9.9 mm(T)
Weight	About 150 g (including the battery)
Frequency band	G510-0100 • WCDMA 2100MHz: 1920–1980MHz (UL), 2110–2170MHz (DL) • WCDMA 900MHz: 880–915MHz (UL), 925–960MHz (DL) • GSM 850MHz: 824–849MHz (UL), 869–894MHz (DL) • GSM 900MHz: 880–915MHz (UL), 925–960MHz (DL) • GSM 1800MHz: 1710–1785MHz (UL), 1805–1880MHz (DL) • GSM 1900MHz: 1850–1910MHz (UL), 1930–1990MHz (DL)
	G510-0200 • WCDMA 2100MHz: 1920–1980MHz (UL), 2110–2170MHz (DL) • WCDMA 900MHz: 880–915MHz (UL), 925–960MHz (DL) • GSM 850MHz: 824–849MHz (UL), 869–894MHz (DL) • GSM 900MHz: 880–915MHz (UL), 925–960MHz (DL) • GSM 1800MHz: 1710–1785MHz (UL), 1805–1880MHz (DL) • GSM 1900MHz: 1850–1910MHz (UL), 1930–1990MHz (DL)

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Item	Specifications
	G510-0251 • WCDMA 2100MHz: 1920–1980MHz (UL), 2110–2170MHz (DL) • WCDMA 1900MHz: 1850–1910MHz (UL), 1930–1990MHz (DL) • WCDMA 850MHz: 824–849MHz (UL), 869–894MHz (DL) • GSM 850MHz: 824–849MHz (UL), 869–894MHz (DL) • GSM 900MHz: 880–915MHz (UL), 925–960MHz (DL) • GSM 1800MHz: 1710–1785MHz (UL), 1805–1880MHz (DL) • GSM 1900MHz: 1850–1910MHz (UL), 1930–1990MHz (DL)
Maximum transmit power	• WCDMA: +24dBm (Power Class 3) • GSM/GPRS 850/900MHz: +33dBm (Power Class 4) • GSM/GPRS 1800MHz/1900MHz: +30dBm (Power Class 1)
Static sensitivity:	• WCDMA 850MHz: better than –104.7dBm/3.84MHz • WCDMA 1900MHz: better than –104.7dBm/3.84MHz • WCDMA 2100MHz: better than –106.7dBm/3.84MHz • GSM 850/900/1800/1900MHz: better than –102dBm/200kHz
Network rate	• WCDMA: 384Kbit/s (UL), 384Kbit/s (DL) • HSDPA: 7.2Mbit/s • HSUPA: 5.76Mbit/s • GPRS/EDGE: 118.4Kbit/s (UL), 236.8Kbit/s (DL)
SIM/USIM card interface	Standard 6-pin SIM card interface, supporting the 1.8/3V USIM card
External interface	Standard Micro USB, microSD Card slot, 3.5 mm headset
External memory support	microSD Card (up to 32GB)
Processor	Qualcomm® MSM8225, 1.2GHz Dual core
Memory	• ROM: 4GB • RAM: 512MB • ROM User Available: 1GB
Device control:	Illuminated capacitive soft keys with haptic feedback Physical Power and Volume key
GPS	GPS/AGPS
Temperature	Operating temperature: 0℃ ~ +40℃ Warehouse temperature: -20℃ ~ +50℃

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Item	Specifications
Battery	G510-0100, G510-0200 • Capability: 1750mAh • Standby time (Depends on the user operation and network condition): Up to 320 hours (2G); Up to 340 hours(3G) • Talking time (Depends on the user operation and network condition): Up to 350 mins (2G); Up to 320 mins (3G) • Charging Time: 3 hours from supplied charger • Audio playback: Up to 8 hours • Music playback: Up to 29 hours
	G510-0251 • Capability: 1700mAh • Standby time (Depends on the user operation and network condition): Up to 320 hours (2G); Up to 340 hours(3G) • Talking time (Depends on the user operation and network condition): Up to 350 mins (2G); Up to 320 mins (3G) • Charging Time: 3 hours from supplied charger • Audio playback: Up to 8 hours • Music playback: Up to 29 hours
Relative humidity	Working: 5% - 95%
Camera	Main camera:5M AF Secondary camera:0.3M FF
Bluetooth	Bluetooth 2.1 + EDR A2DP stereo Bluetooth
Wi-Fi	802.11b/g/n
USB	USB2.0 High Speed
Power supply	100V–240V, 50/60Hz, 1A
Certification	CE, FCC, ROHS, REACH, GCF, WEEE, WIFI, BQB, WHQL, Google TA, DLNA, NFC (Only available in G510-0100)
Sensor	• Accelerometer • Proximity sensor • Ambient light sensor • Digital compass

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2.2 Software

Table 2-2 Software Specifications

Item	Specifications
Operating system	Android™ 4.1（Jelly Bean）
Input method	Android keyboard, Huawei IME
Browser	Android Native Browser
Voice codec	• WCDMA: AMR-NB • GSM/GPRS: FR/EFR/HR/AMR-NB
Messaging	• SMS • MMS
Email	POP3/IMAP/Exchange
Multi-media	• Audio Codec: MP3, MIDI, AMR-NB, AAC, AAC+, eAAC+, OGG Vorbis • Video Codec: H.263, H.264, MPEG-4 • File Format: *.mp3, *.wav, *.ogg, *.mid, *.amr, *.mp4, *.3gp • Image Codec: PNG, GIF (Static only), JPEG, BMP • Image File Format: *.png, *.gif (Static only),*.jpg,*.bmp
Streaming media	• Audio Codec: AMR-NB, AAC, AAC+, eAAC+ • Video Codec: H.263, H.264, MPEG-4 • File Format: *.mp4, *.3gp
USB function	• Mass Storage • USB Tethering • Charging
STK/USAT	Support STK/USAT
Camera & Video resolution	5.0MP: • Photo: Up to 2592*1944 • Video: Up to 854*480
Photo and video	• Capture File Format: *.jpg • Recording File Format: *.mp4

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2.3 Function Features

Table 2-3 Function Features

Item	Specifications
Home screen	HUAWEI Home Screen
Tools	Calculator/Note pad/Clock/Gallery/Calendar/FM Radio
Call services	Voice call Supplementary Services Voice mail
Google mobile suite	Google applications are pre-installed into your Mobile Phone. Availability of Google applications, services, and features may vary according to your country or carrier.
Digital compass	Support digital compass based on Android
SNS	Facebook, Twitter
Feature applications	All Backup, Wi-Fi Manager, DLNA, Huawei IME, File Manager, Weather Clock, Huawei Music, Power Saving Mode, Huawei Widget

2.4 Packing List

Table 2-4 Packing List

Number	Item	Quantity	Remark
1	Handset	1	Standard
2	Battery	1	Standard
3	Headset	1	Standard
4	Charger	1	Standard
5	USB cable	1	Standard
6	Quick Start Guide	1	Standard
7	Certificate Of Qualification	1	Optional

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